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(72) Inventors:
 • Matsuda, Yoshikazu
 Kagoshima-shi, Kagoshima (JP)
 • Yamaguchi, Kazuya
 Hlokl-gun, Kagoshima-ken (JP)

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(74) Representative:
Schwabe - Sandmalr - Marx
Stuntzstrasse 16
81677 München (DE)

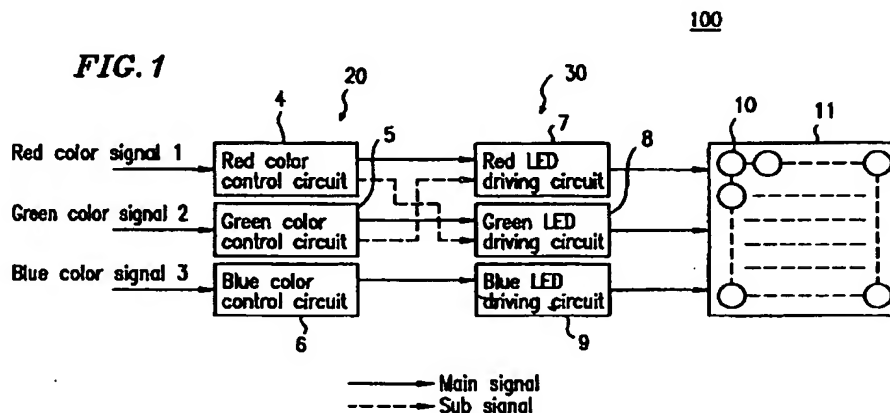
(71) Applicant:
Matsushita Electric Industrial Co., Ltd.
Kadoma-shi, Osaka 571-8501 (JP)

(54) **LED display device and method for controlling the same**

(57) An LED display device includes an LED display section including a plurality of light emitting blocks arranged in a matrix, each light emitting block including at least a red LED, a green LED, and a blue LED; a color control section including a red color control circuit, a green color control circuit and a blue color control circuit, for controlling an amount of light emitted by the red LED, the green LED, and the blue LED in accordance with a red color signal, a green color signal and a blue color signal; and an LED driving control section including a red LED driving circuit, a green LED driving circuit

and a blue LED driving circuit, for controlling the LED display section in response to an output signal from the color control section. At least one of a control of controlling the red LED driving circuit and the green LED driving circuit in response to an output signal from the red color control circuit and a control of controlling the green LED driving circuit and the red LED driving circuit in response to an output signal from the green color control circuit is performed.

FIG. 1



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cls)
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L	& GB 2 205 431 A (NISHIZAWA JUNICHI & TAMAOKI YOSHIKATSU) * page 2, line 16 - page 7, line 12 *	1,4	
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A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 8, 29 August 1997 (1997-08-29) & JP 09 098443 A (MATSUSHITA ELECTRIC IND CO LTD), 8 April 1997 (1997-04-08) * abstract *	7,10	H04N G09G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 May 2000	Examiner Pigniez, T
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date O : document cited in the application I : document cited for other reasons & : member of the same patent family, corresponding document	
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet 8

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



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**LACK OF UNITY OF INVENTION
SHEET B**

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. Claims: 1-6

LED display device in which the green and red leds are independently controlled in response to an output signal from the green led driving circuit and the red led driving circuit.

2. Claims: 7-12

Method for adjusting the chromaticity value of the red led or the green led of a led display device.

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

23-05-2000

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

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